

FIGURE 1

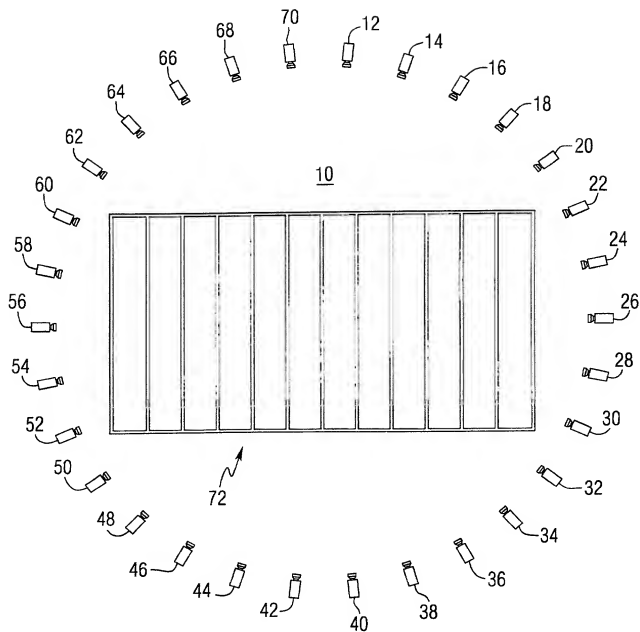


FIG. 2

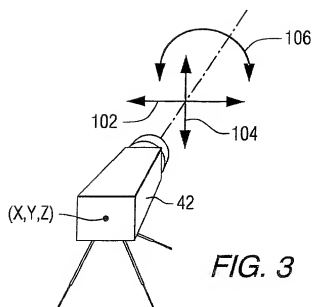


FIG. 3

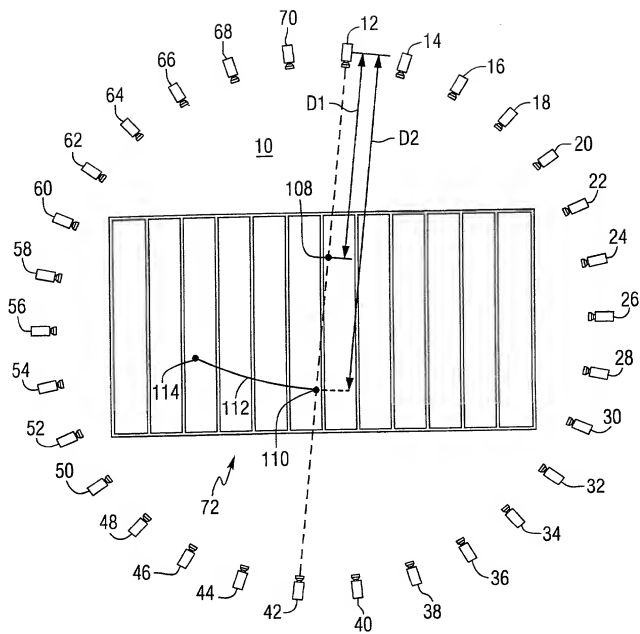


FIG. 4

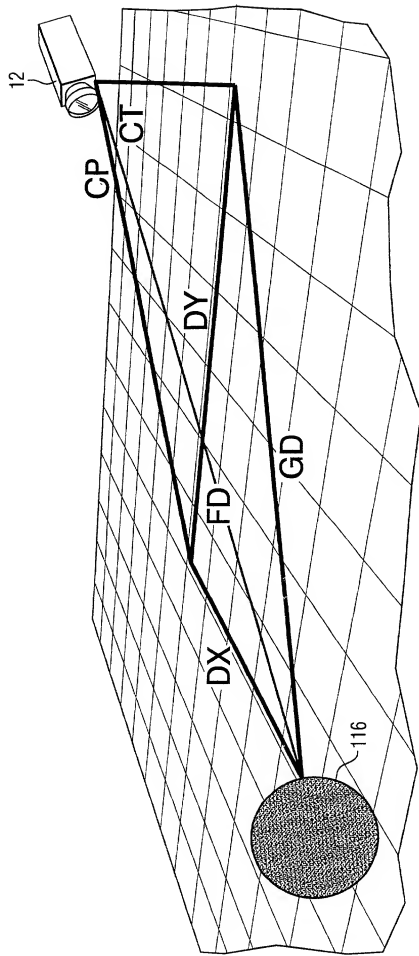


FIG. 5

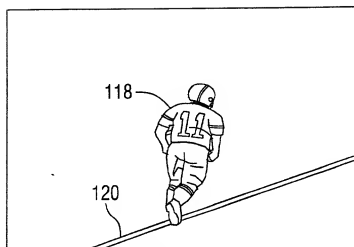


FIG. 6a

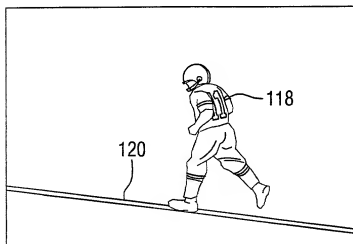


FIG. 6b

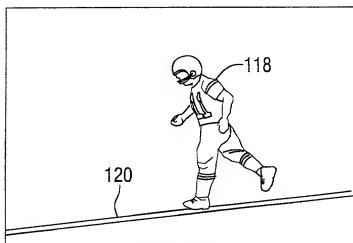


FIG. 6c

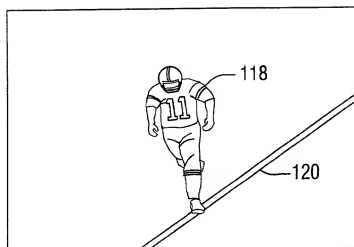


FIG. 6d

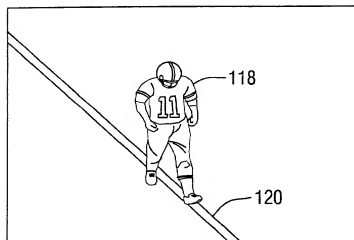


FIG. 6e

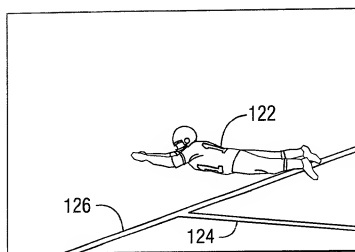


FIG. 7a

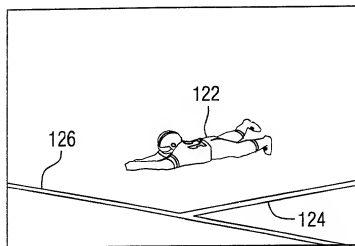


FIG. 7b

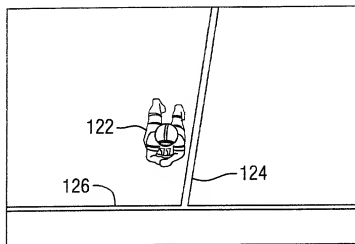


FIG. 7c

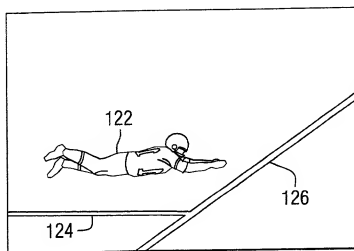


FIG. 7d

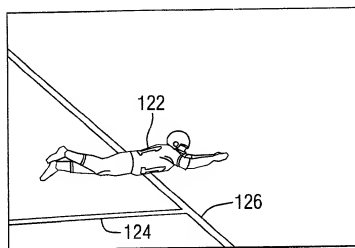


FIG. 7e

FIGURE 8

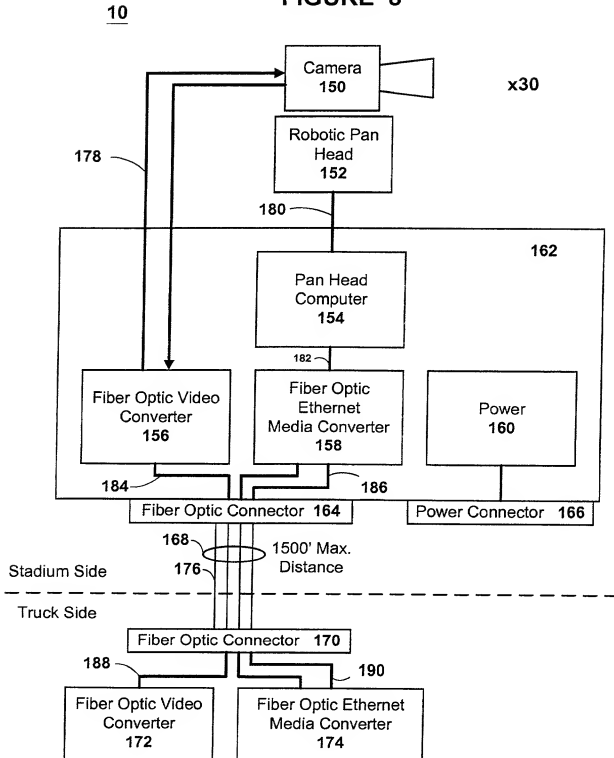


FIGURE 9

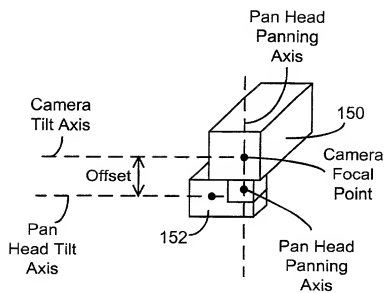
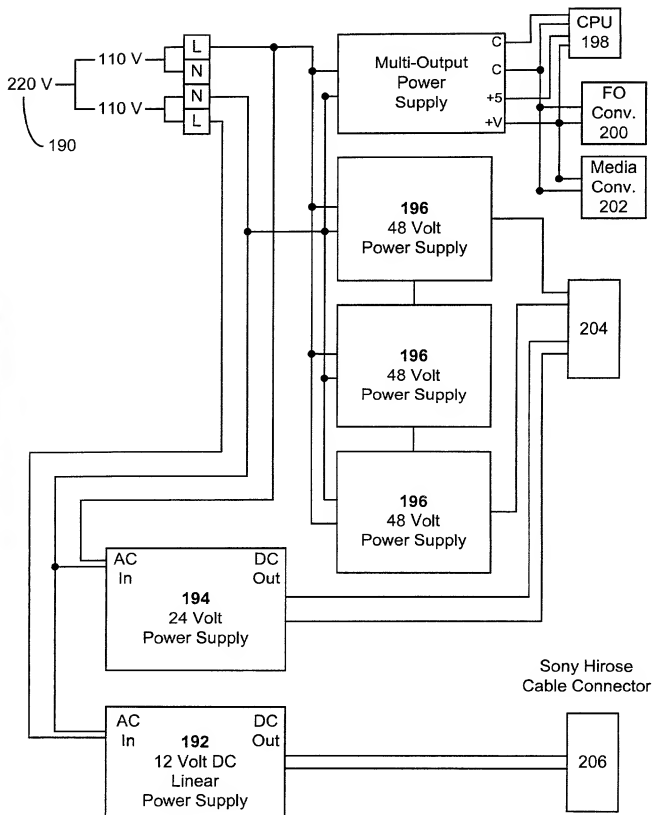


FIGURE 10



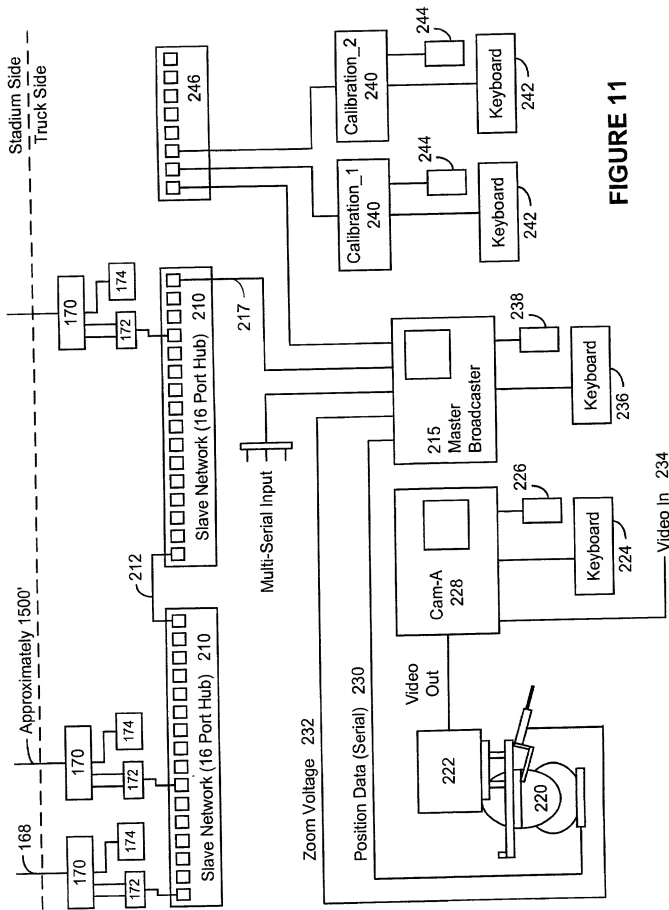
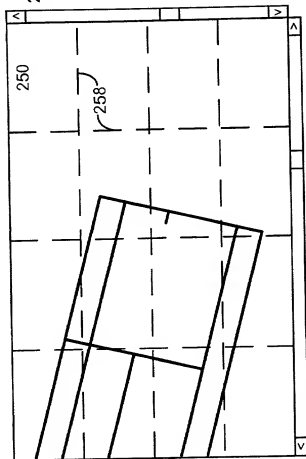


FIGURE 11

254



256

☐ Drop Black

Directory: Data/current

Release Camera 272

Yaw: 0

Tilt: 24.9799

Set

Pan: -12.9339

Zoom: < 1 >

Focus: < 1 >

262

Initialize Camera 270

Save 260

264

Height: < 1 >

0

Apply Mesh 268

Calibration

Geometric Calib. 266

Search Pitch Yaw

Mapping Method

☐ Distance

☐ Mesh

Map

Build Focus Table

☐ View Ray

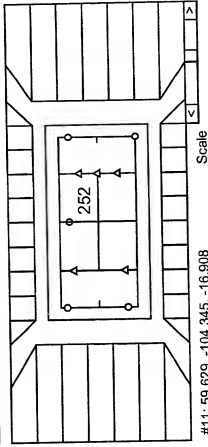
☐ View Mesh

Remove Calib. Points

Zoom

IN L	IN R
MID L	MID R
OUT L	OUT R

Build Zoom Default Zoom



#11: 59.629, -104.345, -16.908

Scale

FIGURE 12

<u>Data Point Number</u>	<u>Dimension 1</u>	<u>Dimension 2</u>	<u>Dimension 3</u>
1	0.00000	0.00000	0.00000
2	3.54900	-49.66800	-16.87400
3	14.41400	-41.77300	-16.92300
4	25.29200	-33.91100	-16.98800
5	28.86000	-31.33600	-17.01400
6	35.65300	-48.28600	-16.97100
7	24.78700	-56.14000	-16.90800
8	13.89700	-63.97600	-16.86500
9	23.69700	-82.67100	-13.33500
10	38.43500	-97.96300	16.83600
11	45.22400	-114.78100	-16.80500
12	48.70900	-112.20900	-16.80600
13	59.62900	-104.34500	-16.90800
14	70.51000	-96.49200	-16.97800
15	74.06200	-93.93600	-16.98600
16	49.30300	-90.07200	-16.88600
17	60.17300	-82.23200	-16.97500
18	50.3100	-63.38900	-13.53000
19	102.04500	-99.03300	-15.03400
20	38.10100	-145.24200	-14.68600
❖	❖	❖	❖
❖	❖	❖	❖
❖	❖	❖	❖
45	-40.58200	-43.27300	-7.67700
46	-29.19100	-35.00900	-7.69400
47	-18.16500	-26.99000	-7.61300
48	-18.16000	-26.98400	-7.61700
49	-5.41000	-17.87900	07.78400
50	7.16400	-8.68200	-7.63800
51	7.17500	-8.67800	-7.64400
52	18.46900	-0.57900	-7.74700
53	18.45200	-0.59700	-7.76100
54	29.82600	7.58300	-7.71100

Fig. 13

CAMERA PARAMETERS FILE FOR CAMERA NUMBER 1

ID number 01

Initial pan, tilt -18.078802 26.650000

Calibration information

Calibrated 1

Location -40.273 -305.950 99.497

;Four Corners

0	0	0	0.000	0.000	0.000	0.000000	0.000000	000	000
1	0	0	0.000	0.000	0.000	0.000000	0.000000	000	000
2	0	0	0.000	0.000	0.000	0.000000	0.000000	000	000
3	0	0	0.000	0.000	0.000	0.000000	0.000000	000	000

Number of GRID points 51

;GRID Points

0	1	1	0.000	0.000	0.000	0.650000	24.840000	255	226
1	1	1	0.000	0.000	0.000	-1.362334	24.106688	255	226
2	1	1	0.000	0.000	0.000	-3.230000	23.350000	255	226
3	1	1	0.000	0.000	0.000	-3.790000	23.149117	255	226
4	1	1	0.000	0.000	0.000	-6.050000	24.224957	255	226
5	1	1	0.000	0.000	0.000	-4.270000	25.040001	255	226

;Range vs. Focus Table (inverse range vs focus param)

Number Entries 9

0.000000000000	227
0.003005353501	227
0.003266036045	226
0.003510695882	226
0.003540278412	226
0.003738491796	226
0.003873184789	226
0.004175557755	226

;Zoom vs. Field of View Table

Number Entries 256

000	49.740
001	49.740
002	49.740
003	49.740
004	49.740
005	49.740

UUUUUUUUUUUU

250	3.020
251	3.020
252	3.020
253	3.020
254	3.020
255	3.020

Zoom Table Corrections

Max_Zoom_Value - 230

Min_Zoom_Value - 30

Min_Zoom_Useable - 31

Max_Zoom_Value_Fov - 2.080

Min_Zoom_Value_Fov - 34.000

Min_Zoom_Useable_Fov - 7.480

Fig. 14

FIGURE 15

302

Camera

5

● Select

○ Router

○ Direct

322

All

Direct

Initialize

Bars

Command Stream

FAE 86 FAE 96 FAE A6 FAE B6

Exposure 320	Shutter 306	Color 308	General	System
<div>○ Off</div> <div>○ CCD Iris</div>				
<div>○ 1/100</div> <div>○ 1/125</div> <div>○ 1/250</div> <div>○ 1/500</div> <div>○ 1/1K</div> <div>○ 1/2K</div> <div>○ 1/4K</div> <div>○ 1/10K</div>				
<div> <div>□ C. Scan</div> <div>1</div> </div>				
<div> <div>□ Long Exposure</div> <div>0</div> </div>				

Manual Iris

304

159

Zoom

310

0

Focus

312

0

Master Pedestal

314

0

Detail

316

0

Gain (dB)

318

0

Red Gain

0

Blue Gain

0

300

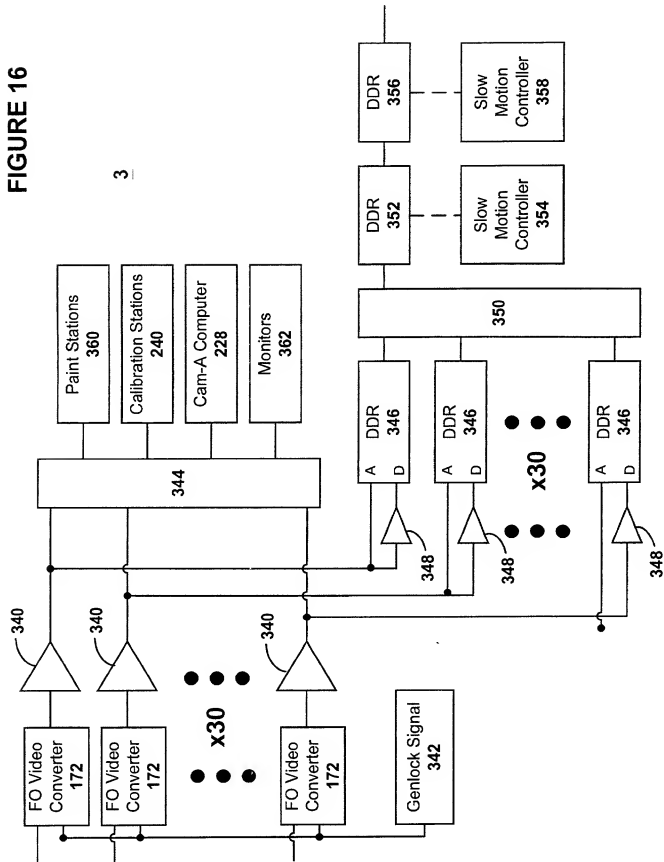


FIGURE 17

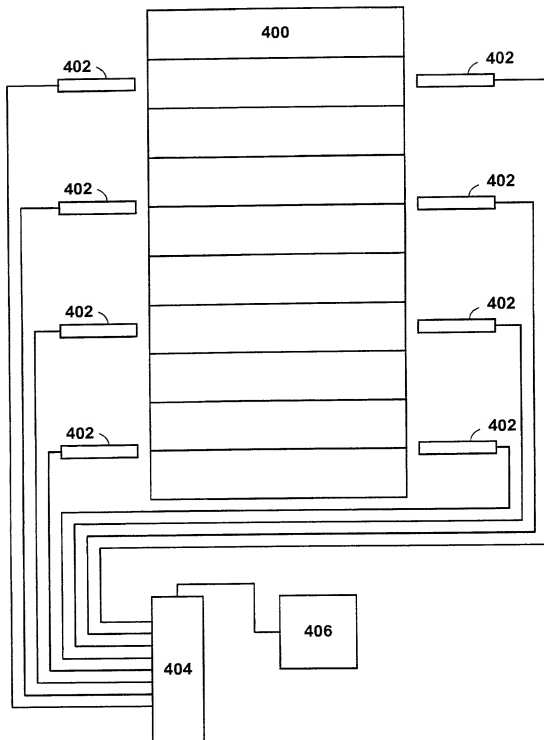


FIGURE 18

